Ruben Heradio

List of Publications by Year
in descending order

67 papers	1,421 citations	471061 17 h-index	344852 36 g-index
71 all docs	71 docs citations	71 times ranked	1058 citing authors

#	Article	IF	Citations
1	Virtual and remote labs in education: A bibliometric analysis. Computers and Education, 2016, 98, 14-38.	5.1	353
2	Virtual and remote labs in control education: A survey. Annual Reviews in Control, 2016, 42, 1-10.	4.4	136
3	The Ball and Beam System: A Case Study of Virtual and Remote Lab Enhancement With Moodle. IEEE Transactions on Industrial Informatics, 2015, 11, 934-945.	7.2	94
4	Providing collaborative support to virtual and remote laboratories. IEEE Transactions on Learning Technologies, 2013, 6, 312-323.	2.2	71
5	Augmenting measure sensitivity to detect essential, dispensable and highly incompatible features in mass customization. European Journal of Operational Research, 2016, 248, 1066-1077.	3.5	64
6	A review of quality evaluation of digital libraries based on usersâ€™ perceptions. Journal of Information Science, 2012, 38, 269-283.	2.0	63
7	Improving the accuracy of COPLIMO to estimate the payoff of a software product line. Expert Systems With Applications, 2012, 39, 7919-7928.	4.4	60
8	A bibliometric analysis of 20 years of research on software product lines. Information and Software Technology, 2016, 72, 1-15.	3.0	60
9	Exemplar driven development of software product lines. Expert Systems With Applications, 2012, 39, 12885-12896.	4.4	56
10	Speeding up Derivative Configuration from Product Platforms. Entropy, 2014, 16, 3329-3356.	1.1	53
11	A fuzzy linguistic model to evaluate the quality of Library 2.0 functionalities. International Journal of Information Management, 2013, 33, 642-654.	10.5	35
12	Customized Online Laboratory Experiments: A General Tool and Its Application to the Furuta Inverted Pendulum [Focus on Education]. IEEE Control Systems, 2019, 39, 75-87.	1.0	24
13	Automated Assessment of Computer Programming Practices: The 8-Years UNED Experience. IEEE Access, 2019, 7, 130113-130119.	2.6	23
14	Open-Source Hardware in Education: A Systematic Mapping Study. IEEE Access, 2018, 6, 72094-72103.	2.6	22
15	Managing RFID Sensors Networks with a General Purpose RFID Middleware. Sensors, 2012, 12, 7719-7737.	2.1	20
16	Event-Based Control: A Bibliometric Analysis of Twenty Years of Research. IEEE Access, 2020, 8, 47188-47208.	2.6	20
17	A Scalable Approach to Exact Model and Commonality Counting for Extended Feature Models. IEEE Transactions on Software Engineering, 2014, 40, 895-910.	4.3	18
18	Automated Assessment and Monitoring Support for Competency-Based Courses. IEEE Access, 2019, 7, 41043-41051.	2.6	18

#	Article	IF	Citations
19	A LITERATURE REVIEW ON FEATURE DIAGRAM PRODUCT COUNTING AND ITS USAGE IN SOFTWARE PRODUCT LINE ECONOMIC MODELS. International Journal of Software Engineering and Knowledge Engineering, 2013, 23, 1177-1204.	0.6	14
20	Uniform and scalable SAT-sampling for configurable systems. , 2020, , .		13
21	The experiment editor: supporting inquiry-based learning with virtual labs. European Journal of Physics, 2017, 38, 035702.	0.3	12
22	Understanding the role of conceptual relations in Word Sense Disambiguation. Expert Systems With Applications, 2011, 38, 9506-9516.	4.4	11
23	Uniform and scalable sampling of highly configurable systems. Empirical Software Engineering, 2022, 27, 1.	3.0	11
24	Supporting commonality-based analysis of software product lines. IET Software, 2011, 5, 496.	1.5	10
25	Supporting the Statistical Analysis of Variability Models. , 2019, , .		10
26	A Virtual and Remote Control Laboratory in Moodle: The Ball and Beam System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 72-77.	0.4	9
27	A Kconfig Translation to Logic with One-Way Validation System. , 2019, , .		9
28	A bibliometric analysis of 10 years of research on symptom networks in psychopathology and mental health. Psychiatry Research, 2022, 308, 114380.	1.7	9
29	Efficient Identification of Core and Dead Features in Variability Models. IEEE Access, 2015, 3, 2333-2340.	2.6	8
30	Evidence-Based Control Engineering Education: Evaluating the LCSD Simulation Tool. IEEE Access, 2020, 8, 170183-170194.	2.6	8
31	Virtual Control Labs Experimentation: The Water Tank System. IFAC-PapersOnLine, 2016, 49, 87-92.	0.5	7
32	Group Decision-Making Based on Artificial Intelligence: A Bibliometric Analysis. Mathematics, 2020, 8, 1566.	1.1	7
33	Using IoT-Type Metadata and Smart Web Design to Create User Interfaces Automatically. IEEE Transactions on Industrial Informatics, 2023, 19, 3109-3118.	7.2	7
34	Physics Experiments at the UNEDLabs Portal. International Journal of Online and Biomedical Engineering, 2012, 8, 26.	0.9	6
35	Conducting Online Lab Experiments with Blockly. IFAC-PapersOnLine, 2017, 50, 13474-13479.	0.5	6
36	PuzzlEx: an Online Experimentation Environment for Control Engineering Labs. , 2019, , .		6

#	Article	IF	Citations
37	A SCADA oriented middleware for RFID technology. Expert Systems With Applications, 2012, 39, 11115-11124.	4.4	5
38	Making EJS applications at the OSP digital library available from Moodle. , 2014, , .		5
39	Inconsistency-Tolerating Guidance for Software Engineering Processes. , 2021, , .		5
40	Monte Carlo tree search for feature model analyses. , 2021, , .		5
41	An Optimization Software Tool for Performance/Robustness Analysis and Tuning of PID Controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 126-131.	0.4	4
42	Using Extended Logical Primitives for Efficient BDD Building. Mathematics, 2020, 8, 1253.	1.1	4
43	A GENERATIVE APPROACH TO IMPROVE THE ABSTRACTION LEVEL TO BUILD APPLICATIONS BASED ON THE NOTIFICATION OF CHANGES IN DATABASES. , 2008, , .		4
44	A bibliometric analysis of off-line handwritten document analysis literature (1990â€“2020). Pattern Recognition, 2022, 125, 108513.	5.1	4
45	Synchronous Collaboration with Virtual and Remote Labs in Moodle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 270-275.	0.4	3
46	Blockly experiments for EjsS laboratories. , 2017, , .		3
47	A Science Mapping Analysis of the Literature on Software Product Lines. Communications in Computer and Information Science, 2015, , 242-251.	0.4	3
48	Code Generation with the Exemplar Flexibilization Language. Electronic Notes in Theoretical Computer Science, 2009, 238, 25-34.	0.9	2
49	Direction Kernels: using a simplified 3D model representation for grasping. Machine Vision and Applications, 2013, 24, 351-370.	1.7	2
50	Automated experiments on EjsS laboratories. , 2016, , .		2
51	A first-generation software product line for data acquisition systems in astronomy. Proceedings of SPIE, 2008, , .	0.8	1
52	DEPCAS: An industrial approach to RFID middleware. , 2010, , .		1
53	Product Optimization in Stepwise Design. Lecture Notes in Computer Science, 2021, , 63-81.	1.0	1
54	Machine Learning for Software Engineering: a Bibliometric Analysis from 2015 to 2019. , 0, , .		1

#	Article	IF	Citations
55	Automated Support for Battle Operationalâ€“Strategic Decision-Making. Mathematics, 2021, 9, 1534.	1.1	1
56	Implementing EPCIS with DEPCAS RFID Middleware. , 2008, , .		1
57	Man Machine Interface in RFID Middleware: DEPCAS User Interface. , 2009, , .		1
58	A Domain Engineering Approach to Increase Productivity in the Development of a Service for Changes Notification of the Configuration Management Database. Journal of Software Engineering and Applications, 2013, 06, 207-220.	0.8	1
59	Rough Sets: A Bibliometric Analysis from 2014 to 2018. , 2020, , .		1
60	Performing Automated Experiments with EJsS Laboratories. IFAC-PapersOnLine, 2015, 48, 134-139.	0.5	0
61	Enhancing web-based labs in Moodle by providing automatic support for different types of files. , 2015, , .		0
62	Web Experimentation on Virtual and Remote Laboratories. Lecture Notes in Networks and Systems, 2018, , 205-219.	0.5	0
63	Looking Over the Research Literature on Software Engineering from 2016 to 2018. Procedia Computer Science, 2019, 162, 712-719.	1.2	0
64	EvaluaciÃ³n de la Privacidad de una Red Social Virtual. RISTI - Revista Iberica De Sistemas E Tecnologias De Informacao, 2012, .	0.1	0
65	Cost Models and Productivity Building Applications Based on the Notification of Changes in Databases. Software Engineering (Science Publishing Group), 2013, 1, 7.	0.2	0
66	Teaching Control supported by Virtual Labs under a Competency-based curriculum. , 0, , .		0
67	Methods for identifying biomedical translation: a systematic review.. American Journal of Translational Research (discontinued), 2022, 14, 2697-2708.	0.0	0